

CLAIMS

The subject matter claimed is:

1. A planter for high-density growth of plants comprising:

(a) a first bottom comprising at least one drain hole for permitting liquids to drain

5 therethrough;

(b) a first front wall, a first back wall, and first and second side walls disposed on said first bottom such that said first bottom, first front wall, first back wall, and first and second side walls define a first cavity for receiving a plant growth medium for supporting roots of said plants, wherein said first front wall and first and second side walls comprise a plurality of holes

10 configured for permitting stems of said plants to extend therethrough; and

(c) a first structure disposed on said first side wall configured for permitting attachment of a second bottom, a second front wall, and a second back wall thereto, and a second structure disposed on said second side wall configured for permitting attachment of a third bottom, a third front wall, and a third back wall thereto.

15 2. The planter of claim 1 wherein said plurality of holes are configured in at least two rows.

3. The planter of claim 2 wherein said plurality of holes are configured in three rows.

4. The planter of claim 1 wherein said first back wall further comprises a plurality of holes configured for permitting stems of said plants to extend therethrough.

5. The planter of claim 4 wherein said plurality of holes are configured in at least two rows.

6. The planter of claim 5 wherein said plurality of holes are configured in three rows.

7. The planter of claim 1 further comprising said second bottom, second front wall, and second back wall disposed on said first structure, wherein a third side wall is disposed on said second bottom, said second front wall, and said second back wall such that said second bottom, second front wall, second back wall, first side wall, and third side wall define a second cavity configured for receiving plant growth medium for supporting roots of said plants, wherein said second front wall and third side wall comprise a plurality of holes configured for permitting stems of said plants to extend therethrough.

8. The planter of claim 7 wherein said second back wall comprises a plurality of holes configured for permitting stems of said plants to extend therethrough.

9. The planter of claim 1 further comprising said third bottom, third front wall, and third back wall disposed on said second structure, wherein a fourth side wall is disposed on said third bottom, said third front wall, and said third back wall such that said third bottom, third front wall, third back wall, second side wall, and fourth side wall define a third cavity configured for receiving plant growth medium for supporting roots of said plants, wherein said third front wall and fourth side wall comprise a plurality of holes configured for permitting stems of said plants

to extend therethrough.

10. The planter of claim 9 wherein said third back wall comprises a plurality of holes configured for permitting stems of said plants to extend therethrough.

11. A portable planter for high-density growth of plants comprising:

5 (a) a first bottom comprising a plurality of drain holes for permitting liquids to drain therethrough;

(b) a first front wall, a first back wall, and two side walls disposed on said first bottom such that said first bottom, first front wall, first back wall, and side walls define a cavity for receiving a plant growth medium for supporting roots of said plants, wherein said front wall
10 comprises three rows of eight holes each, and each of said side walls comprises three rows of three holes each, said holes being configured for permitting stems of said plants to extend therethrough, and wherein said two side walls each comprise structure for attachment to second and third front walls, second and third back walls, and second and third bottoms, respectively,

wherein the planter is constructed of light weight materials such that the planter is
15 portable.

12. A method for growing plants comprising:

(a) providing a planter comprising:

(i) a first bottom,

(ii) a first front wall, a first back wall, and first and second side walls disposed

on said first bottom such that said first bottom, first front wall, first back wall, and first and second side walls define a first cavity for receiving a plant growth medium for supporting roots of said plants, wherein said first front wall and first and second side walls comprise a plurality of holes configured for permitting stems of said plants to extend therethrough, and a first structure is disposed on said first side wall and configured for permitting attachment of a second bottom, a second front wall, and a second back wall thereto, and a second structure is disposed on said second side wall and configured for permitting attachment of a third bottom, a third front wall, and a third back wall thereto, and

(iii) at least one drain hole configured in said first bottom or in said first front wall or said first back wall adjacent to said first bottom for permitting water to drain from the cavity;

(b) planting plants in the planter such that roots of the plants are covered by plant growth medium held in the cavity of the planter and stems of the plants extend through the plurality of holes; and

(c) providing effective amounts of water, light, and nutrients and holding the plants at a temperature suitable for promoting growth thereof.